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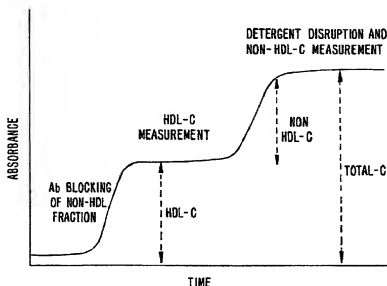
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(54) Title: HOMOGENEOUS TESTS FOR SEQUENTIALLY DETERMINING LIPOPROTEIN FRACTIONS



(57) Abstract: The invention provides new homogeneous assays for the determination of the amount of LDL-C, of HDL-C, and of total cholesterol present in a sample. The method comprises complexing a first lipoprotein fraction with a complex-forming agent, such as an antibody, using enzymes to detect cholesterol in the non-complexed lipoprotein fraction, measuring the amount of cholesterol in the non-complexed fraction to provide a first cholesterol value, and then dissociating the complexed lipoprotein fraction from the complex-forming agent so that that cholesterol is available to be a substrate for the enzymes. The total amount of cholesterol present in the sample can then be determined. Further, the first cholesterol value obtained can be subtracted from the total cholesterol to obtain a value for the first lipoprotein fraction present in the sample. Optionally, a triglyceride assay can then also be performed on the sample in the same tube.